Mumbai University

Question Paper

[CBSGS – 75:25 Pattern]
(October – 2015)

PAPER - IV

ELECTIVE

Project Management

Time: 2 ½ Hours   **Total Marks:** 75

N.B.: (1) *All Question are Compulsory.*
    (2) *Make Suitable Assumptions Wherever Necessary And State The Assumptions Made.*
    (3) *Answer To The Same Question Must Be Written Together.*
    (4) *Number To The Right Indicates Marks.*
    (5) *Draw Neat Labeled Diagrams Wherever Necessary.*
    (6) *Use of Non – Programmable Calculator is allowed.*

Q.1   ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

(A)   Explain the best practices listed it out by "Airline Software Council".   **(5)**
(B)   How does cost estimation serve as the Potential Solution for Modern Software Project Management?   **(5)**
    Explain.
(C)   Explain the process of denouement.   **(5)**
(D)   State the traits of modern process of development.   **(5)**

Q.2   ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

(A)   List the phases of Life Cycle process. Explain the Elaboration Stage.   **(5)**
(B)   Compare Meta and Macro processes.   **(5)**
(C)   Explain architecture-first approach of Modern Software Management.   **(5)**
(D)   Explain the concept of architecture from management perspective.   **(5)**

Q.3   ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

(A)   Define the term Workflow. Explain requirement and Design Workflows.   **(5)**
(B)   What are the check points of the process? Explain the sequence of check points.   **(5)**
(C)   Explain Iteration Readiness and Assessment Review.   **(5)**
(D)   Define Work Breakdown Structure. Explain the issues with conventional WBS.   **(5)**

Q.4   ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

(A)   What is Software Change Orders (SCO)? Explain the basic fields of SCO.   **(5)**
(B)   What are the responsibilities of Software Architecture Team?   **(5)**
(C)   Explain Project Environment with features to prototyping.   **(5)**
(D)   Define the term Configuration Baseline. What are two classes of Baseline?   **(5)**

Q.5   ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

(A)   What are Management Indicators? Explain any two.   **(5)**
(B)   Write a short note on Software Project Control Panel.   **(5)**
(C)   Explain the concept of process maturity.   **(5)**
(D)   Compare small commercial project with large, complex project on the basis of workflow priorities.   **(5)**

Q.6   ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

(A)   Explain continuous integration approach of Modern Project Management.   **(5)**
(B)   "80% of the errors are caused by 20% of the components". Discuss with reference to early risk   **(5)**
    resolution.
(C)   Compare conventional software process with Modern Iterative Process Framework.   **(5)**
(D)   What do you understand by culture shifts with reference to Modern Process Transition?   **(5)**

[TURN OVER]

Q.7 **ATTEMPT ANY THREE QUESTIONS: (15 MARKS)**

(A) What are the basic parameters of Software Economics? **(5)**

(B) List and explain the implementation set artifact. **(5)**

(C) Explain bottom-up approach of cost and Schedule Estimation. **(5)**

(D) Write a note on Round Trip Engineering. **(5)**

(E) Describe any four Quality Indicators in detail. **(5)**

(F) What are the benefits of next generation Cost Estimation Models? **(5)**